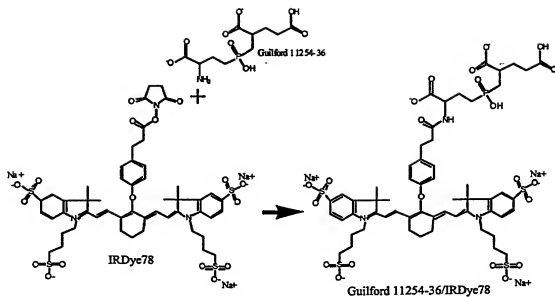


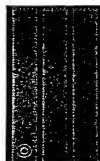
A.



B.

Guilford
11254-36
Normal Phase

1 2 3



Notes

Unlabeled Molecule of Interest Stained with Ninhydrin (red)

----- = Mobile Phase Front

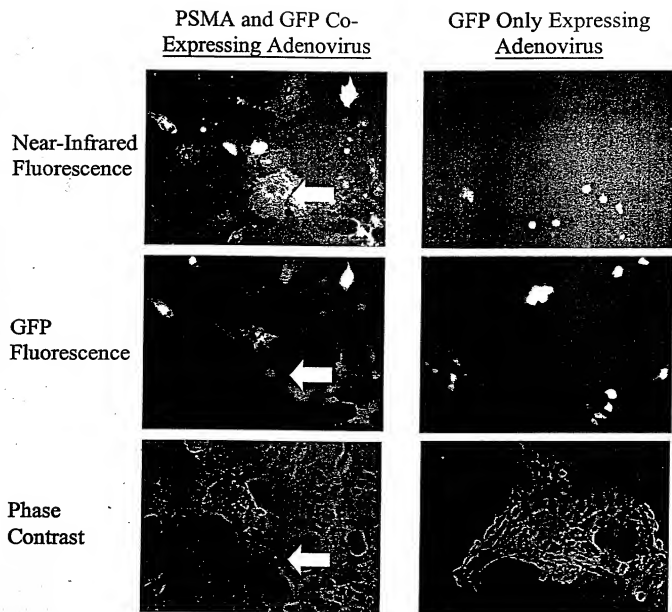
← = Desired NIR Fluorophore-Coupled Product

◀ = Unlabeled Molecule of Interest

○ = Origin

Figure 1

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**Figure 2**

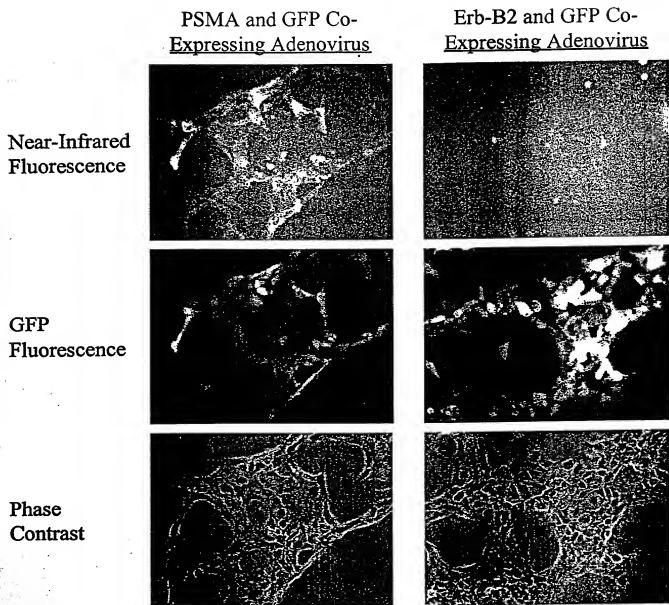
**Figure 3**

FIG. 4

Near-Infrared Fluorescence Detection of PSMA using Guilford 11254-36/IRDye78

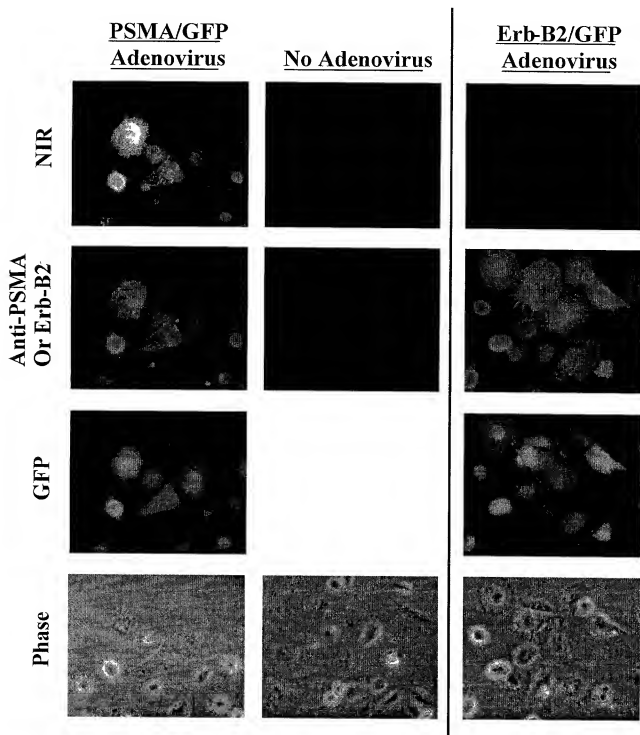
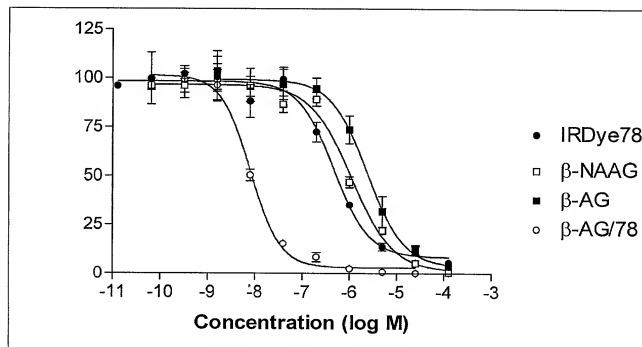


FIG. 5



Structure of the beta-AG/IRDye78 conjugate (beta-AG/78)

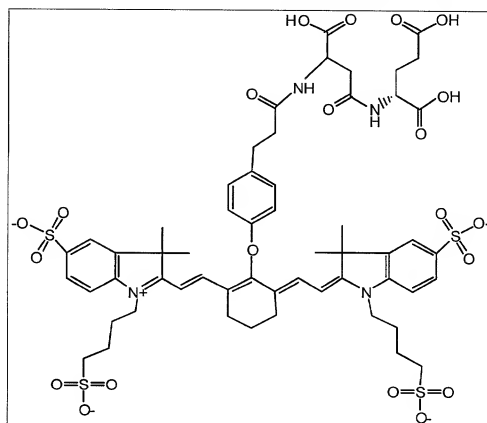
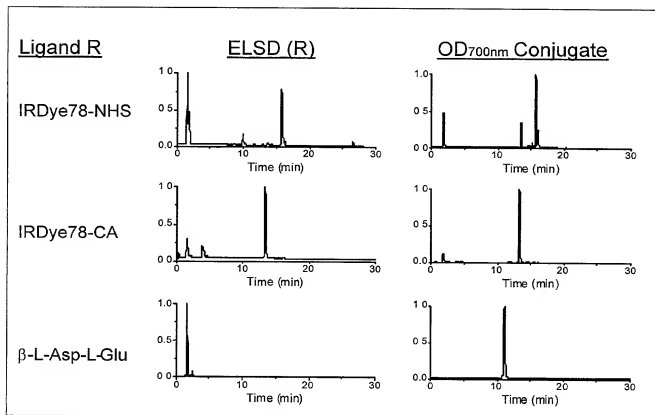
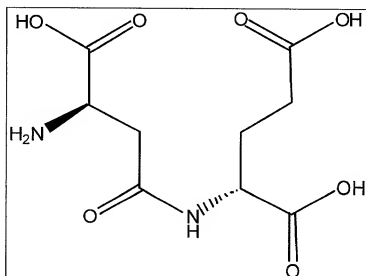


FIG. 6



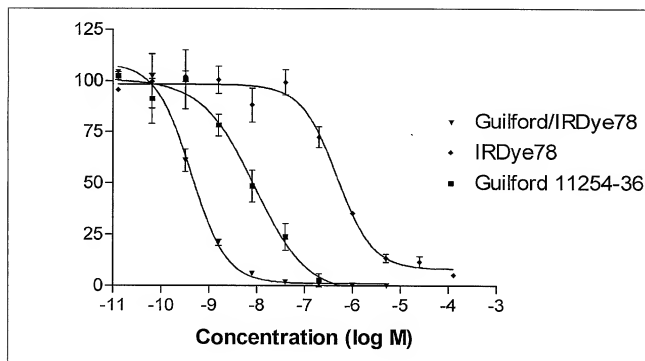
Structure of beta-AG



Beta-aspartyl-glutamate
Mol. Wt.: 262.22

207020-06817001

FIG. 7



Guilford 11254-36

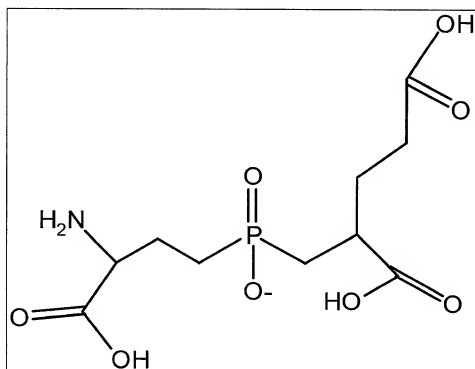


FIG. 8

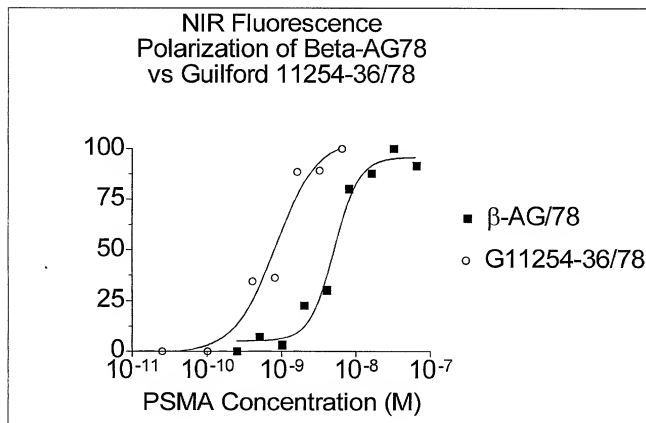
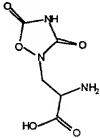
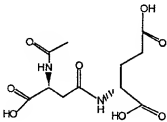
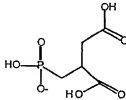
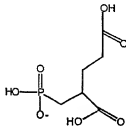
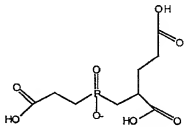
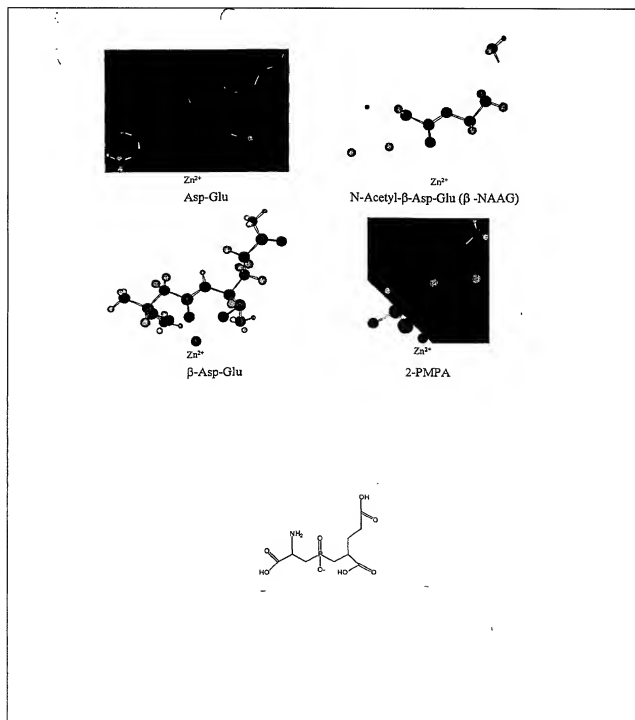
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FIG. 9

<u>Compound</u>	<u>K_i (Range)</u>	
Quisqualic Acid (52809-07-1)	155 nM - 2 μM (Non-Competitive)	
β-NAAG (Spaglumic Acid; 4910-46-7)	201-700 nM (Competitive)	
Guilford-4	700 nM	
2-(phosphonomethyl)pentanedioic acid (PMPA; Guilford 3)	98-275 pM	
Guilford-7	1.9 nM	

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FIG. 10



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FIG. 11

